



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140135

Mode: Highway

Status: Submitted

SR-1514, SR-1523 (Bamboo Road, Wilson Ridge)

From/Cross Street: From US 421/221

Specific Improvement Type: 16 - Modernize Roadway

To: to SR 1522 (Deerfield Road)

Project Category: Division Needs

Length: 1.89

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,982,000

Description:

Widen road to 12-foot lanes with 4-foot paved shoulders to accommodate bicycles. Additionally, intersection improvements are recommended at Wilson Ridge Road, Deerfield Road, and Bamboo Road.

Division(s): Division 11

County(s): WATAUGA

MPOS(s)/RPO(s): High Country RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 61.04

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 35.74 Safety (10%) 38.92 [Travel Time] Benefit/Cost (20%) 0.00 Totals: Weight: 50% Weighted Score: 11.04	Percent: 25% Points: 100	Percent: 25% Points: 100

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	1.89
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8515.71
Capacity:	15800
Volume/Capacity Ratio:	0.54
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	54.28
Crash Severity:	27.45
Critical Crash Rate:	35.03
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	17
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	64
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	
Speed Limit:	35
Length (miles):	1.89
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	High Country RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Country RPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$2,982,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,982,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,982,000	